

WHAT IS CLAIMED IS:

1. A stator comprising:
 - a cylindrical iron core;
 - a slots that is provided around an inner circumferential face of the cylindrical iron core and including an opening portion; and
 - a coil disposed in the slots,
wherein a portion with a lower radial crushing strength is provided in at least a part of the iron core in a circumferential direction.
2. The stator according to claim 1,
wherein the stator is produced by disposing the coil in a strip iron core provided with the slots including an opening portion, and forming the iron core in the shape of an annulus ring, in which the abutting surfaces of the iron core are partially welded.
3. A method for resolving a stator, the stator comprising: a cylindrical iron core; a slots that is provided around an inner circumferential face of the cylindrical iron core and including an opening portion; and a coil disposed in the slots, the method comprising:
 - enlarging the opening portion of the slot; and
 - extracting the coil from the slot.

4. The method for resolving the stator according to
claim 3, further comprising:

relatively rotating the position of the stator.

5

5. A method for resolving a stator, the stator comprising: a cylindrical iron core; a slots that is provided around an inner circumferential face of the cylindrical iron core and including an opening portion; and a coil disposed in
10 the slots, the method comprising:

dividing the iron core in a circumferential direction;
and

extracting the coil from the slot.

15 6. The method for resolving the stator according to
claim 5,

wherein dividing the iron core in the circumferential direction includes dividing it at one position in the circumferential direction.

20

7. The method for resolving the stator according to
claim 5, further comprising:

enlarging the opening portion of the slot.

25 8. The method for resolving the stator according to

claim 3,

wherein enlarging the opening portion of the slot includes forming at least a part of an outer circumferential face of the iron core in the shape of a plane.

5

9. The method for resolving the stator according to claim 3,

wherein extracting the coil includes pressing the coil on both end faces of the iron core at the same time.

10

10. The method for resolving the stator according to claim 3, further comprising:

heating the stator.